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## Technical Data Sheet for Coating Ball/Sphere by Polyurethane or Metal

Typical Properties of Coating	Polyurethane	Typical Properties of Coating	Metal(Silver)
Thickness of coating film, micron	0,02 - 0,03	Thickness of coating film, micron	0,1 - 1,5
Maximum tolerated gap of coating film, %	0.2	Coating film chemical purity %	99,90±99,99
Temperatures softening glass/dphere ° K	700/1550	Electro conductivity, Om/ cm at 0 ° C	0,00159
* Relative strength at break, MPa	0.56	Thermal conductivity, Wt/m <sup>-1</sup> ° K <sup>-1</sup> at 20 ° C	419
Chemical stability to the water, time	3	Diameter glass ball, micron	0-500
Chemical stability * relative to the acid, time	2	Chemical composition of glass: SiO <sub>2</sub> - 72,1+0,3%; MgO - 4,00+0,2%; CaO - 6,25+0,2%; Na <sub>2</sub> O - 15,00+0,2%; Al <sub>2</sub> O <sub>3</sub> - 2,2+0,14%; Fe <sub>2</sub> O <sub>3</sub> - no more than 0.2%.	
Chemical stability * relative to the alcali, time	2.5		

### Properties latex films filled with coating glassball by PU

Index PU	Fraction (Micron)	Content GB %	Specifications polyurethane				Firmness	
			σ <sub>p</sub> , MPa	ε <sub>p</sub> , MPa	σ <sub>100</sub> %			
SPRP --PFR -100**	< 100	60	16,1	360	6,3	95	* relative to standard PU	
SPRP-PFR -100	100-160	60	13,7	300	5,5	97	** SPR-PFR- Synthetic Polyurethane Rabber based on Polyfurite	
SPRP-PFR -100	100-200	60	10,3	295	6,4	98		
SPRP-PFR -100	< 300	60	10,3	225	7,9	97		
SPRP-PFR -74	< 29	40	2,8	470	0,8	60		
SPRP-PFR -74	46-100	40	5,7	420	1,8	85	***SPR-PPL- Synthetic Polyurethane Rabber based on Polypropilene	
SPRP-PFR -74	< 100	40	16,2	410	4,3	90		
SPRP-PFR -74	100-200	40	14,2	400	5,3	93		
SPR-PPL -65***	< 100	60	10,8	290	3,8	92	**** PRP- Polyurethane Rabber based on Polyesther	
SPR-PPL -65	100-200	60	9,0	210	4,6	97		
SPR-PPL -65	< 300	60	9,2	130	4,7	94		
PRP-4****	< 100	40	5,9	540	1,7	75		
PRP-4	100-200	40	5,4	415	2,3	84		
PRP-4	< 300	40	5,5	380	2,8	80		

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